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On the nomenclatural status of *Papilio panares* GRAY, [1853]

(Lepidoptera: Papilionidae)

by

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Abstract: The nomenclatural and taxonomic status of *Papilio panares* GRAY, [1853], which is the oldest available name for the polytypic species known as *Papilio lycimenes* BOISDUVAL, 1870, is discussed. *Parides lycimenes septentrionalis* MAZA & DIAZ, 1978 is a synonym of *Papilio panares* GRAY, [1853]. The lectotype of *Papilio lycimenes* is designated and the type localities for *Parides panares* (GRAY, [1853]) and *Parides panares lycimenes* (BOISDUVAL, 1870) are fixed.

Zusammenfassung: Der nomenklaturische und taxonomische Status von *Papilio panares* GRAY, [1853], dem ältesten verfügbaren Namen für die als *Papilio lycimenes* BOISDUVAL, 1870 bekannte, polytypische Art, wird diskutiert. *Parides lycimenes septentrionalis* MAZA & DIAZ, 1978 ist synonym zu *Papilio panares* GRAY, [1853]. Der Lectotypus von *Papilio lycimenes* wird bestimmt und die Typenfundorte von *Parides panares* (GRAY, [1853]) und *Parides panares lycimenes* (BOISDUVAL, 1870) werden festgelegt.

Discussion

Many authors in the past (ROTHSCHILD & JORDAN, 1906; BRYK, 1930; D'ALMEIDA, 1966) have considered *Papilio panares* a junior subjective synonym of *Papilio iphidamas* FABRICIUS, 1793, although the original description by GRAY (1853) is very accurate indeed, especially on the characteristic red band of the hindwings which is separated into well-defined spots by the black veins. This character has been correctly pointed out by MAZA & DIAZ (1977, 1978).

The examination of the holotype of *Papilio panares* in the British Museum (Nat. Hist.) London, has disclosed that it is conspecific with *Papilio lycimenes* BOISDUVAL, 1870. This specimen bears the labels "/Type/Mexico/Mexico Pur. from Argent 48. 11/". *Papilio panares* GRAY, [1853] becomes then the oldest available name for the polytypic species known until now as *Papilio lycimenes*. *Papilio lycimenes* was described from an unknown number of specimens from Costa Rica by BOISDUVAL (1870). Sometimes, "Guatemala" was assumed to be the type locality of *P. lycimenes*, perhaps for the title of BOISDUVAL's paper, although OBERTHÜR (1879) had reported on BOISDUVAL's specimens: "Honduras and Costa Rica 3 ♂♂ specimina tipica; 2 ♀♀", and ROTHSCHILD & JORDAN (1906) "Costa Rica". In this respect, it is interesting that OBERTHÜR (1879) had already considered *P. panares* as the female of *P. lycimenes*.

Four males with the following data have been located in the main and in the LEVICK collections both at the Natural History Museum, London:

♂*P. lycimenes tarquinius* BOISD./Ex Museo Dris BOISDUVAL/LEVICK bequest;

♂*P. lycimenes tarquinius*/Honduras/LEVICK bequest;

♂/type/typicum specimen/*lycimedes* [sic] B. ♂ *iphidamas* F./Guatemala/ex Museo Dr. BOISDUVAL/LEVICK bequest:

♂/Costarica/LEVICK bequest/*Papilio lycimenes lycimenes*/ K. JORDAN vidit 2 specimina ♂; illi communicata sine determin. mutanda nobis restituta, 8 1906/type/. (Fig. 2).

This latter specimen is selected as lectotype of *Papilio lycimenes* BOISDUVAL, 1870, in the combination *Parides panares lycimenes* (BOISDUVAL, 1870) stat. nov., comb. nov. The other two males "ex Museo Dris BOISDUVAL" as paralectotypes, excluding the specimen from Honduras which does not seem to belong to the syntypic series.

The examination of the lepidoptera collections of MAZA and DIAZ in Mexico City has shown that the nominal taxon *Parides lycimenes septentrionalis* MAZA & DIAZ, 1978, paratypes figured in D'ABRERA (1981), is virtually identical to the holotype of *Papilio panares* GRAY, [1853].

MAZA & DIAZ (1978) described the new subspecies on the basis of specimens from several mexican localities, the holotype being from Oaxaca, Metates. These populations have a wide range from Chiapas to Veracruz varying altitudinally from 100 to 1500m.

Therefore *Parides lycimenes septentrionalis* MAZA & DIAZ, 1978 is considered as a junior subjective synonym of *Papilio panares*. It is also advisable to select and restrict as type locality for *Parides panares panares* (GRAY, [1853]) a new locality, rather than "Mexico", and Mexico, Oaxaca, Metates, seems suitable.

BEUTELSPACHER (1984) raised *P. lycimenes septentrionalis* to specific status on the basis of the differences in the male genitalia. It is difficult to judge from the drawings given by this author but it seems that BEUTELSPACHER (1984:97, fig. 19) mistook *P. lycimenes* with *P. iphidamas* genitalia.

Future researches in Central America will disclose the limits of the ranges of these subspecies. It seems, however, that *P. panares lycimenes* is extended up to the Selva Lacandona in south Mexico (MAZA & MAZA, 1979; MAZA, 1987).

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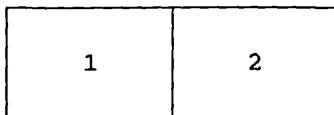
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Colour plate XIXa (p. 373):

- 1) Holotype ♀ of *Papilio panares* GRAY, [1853].
- 2) Lectotype ♂ of *Papilio lycimenes* BOISDUVAL, 1870.



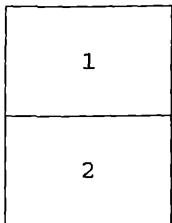
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Colour plate XIXa

RACHELI, T.: On the nomenclatural status of *Papilio panares* GRAY, [1853]. – Atalanta 22(2/3):81-83.

- 1) Holotype ♀ of *Papilio panares* GRAY, [1853].
- 2) Lectotype ♂ of *Papilio lycimenes* BOISDUVAL, 1870.



Colour plate XIXb

TOŠEVSKI, I.: A new species of clearwing moths from Greece: *Bembecia fokidensis* spec. nov. – Atalanta 22(2/3):169-172.

Fig. 1: *Bembecia fokidensis* spec. nov.:

- a) Holotype, Greece, Domokos, 20.VII.1990, leg. et coll. TOŠEVSKI
- b) Paratype, Greece, Eleonasi-Varioni, 19.VII.1990, leg. et coll. TOŠEVSKI.



Colour plate XIXa, b

